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DERWENT-ACC-NO: 1987-194640

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TITLE: Fatty emulsions contg. ubidecarenone - with increased mobility to target organs e.g. heart, liver and can be administered intravenously

PATENT-ASSIGNEE:

ASSIGNEE

CODE

GREEN CROSS CORP

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PRIORITY-DATA: 1985JP-0263094 (November 22, 1985)

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JP 62123113 A

June 4, 1987

008

APPLICATION-DATA:

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JP 62123113A

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INT-CL (IPC): A61K 9/10; A61K 31/12; C07C 50/28

ABSTRACTED-PUB-NO: JP 62123113A

BASIC-ABSTRACT:

A fatty emulsion contg. ubidecarenone as an essential component and whose mean particle size is less than 0.4 microns. (1) the fatty emulsion contains oily components (5-50 wt/vol.NoAbstract) and phospholipids (5-30 pts. wt. for 100 pts. wt. of the oily components) and water. Emulsifying agents, solubilising agents, polymers and isotonicities can be added. (2) Pref. oily component is purified soy bean oil. (3) Pref. phospholipid is yolk lecithin or soy bean lecithin. (4) Pref. emulsifying agents are 6-22C fatty acids, such as stearic acid, oleic acid and linoleic acid. Pref. solubilising agents are cholesterol and phosphatidic acid. Pref. polymer is polyvinyl pyrrolidone, albumin, dextran, etc. Pref. isotonicity is glycerin or glucose. (5) Pref. proportion of ubidecarenone to fatty emulsion is 0.1-30 (wt./vol.)NoAbstract.

USE/ADVANTAGE - Ubidecarenone, also called coenzyme Q10, is widely used for clinical field. But the velocity and quantity of movement to target organs, i.e. heart, liver and spleen, is very small when administered orally or intravenously. The mobility to target organs and the stability of ubidecarenone prepn. is increased by making a fatty emulsion and the prepn. can be administered intravenously.